

Title (en)
COMPOSITION AND METHOD FOR TREATING, RELIEVING OR PREVENTING MUSCLE CRAMPS, CONTAINING CHOLINE ALFOSCERATE AS ACTIVE INGREDIENT

Title (de)
ZUSAMMENSETZUNG UND VERFAHREN ZUR BEHANDLUNG, LINDERUNG ODER VORBEUGUNG VON MUSKELKRÄMPFEN MIT CHOLINALFOSCERAT ALS WIRKSTOFF

Title (fr)
COMPOSITION ET PROCÉDÉ DE TRAITEMENT, D'ATTÉNUATION OU DE PRÉVENTION DE CRAMPES MUSCULAIRES, CONTENANT DE L'ALFOSCÉRATE DE CHOLINE EN TANT QUE PRINCIPE ACTIF

Publication
EP 3723766 A4 20210901 (EN)

Application
EP 18888195 A 20181126

Priority
• KR 20170169325 A 20171211
• KR 2018014576 W 20181126

Abstract (en)
[origin: WO2019117501A1] Choline alfoscerate is a drug used to improve cerebrovascular diseases and brain metabolism. It is a drug with proven safety, which has no effect on the kidney and liver and with no severe side effect reported. When administered to a patient with muscle cramps, it can significantly reduce pain and the occurrence of muscle cramps. Accordingly, it may be used as an active ingredient in a pharmaceutical composition for treating or preventing muscle cramps and a health functional food composition for improving muscle cramps and may also be used for a method for treating muscle cramps by administering choline alfoscerate. In addition, choline alfoscerate may also be used to prepare a medication for treating muscle cramps.

IPC 8 full level
A23L 33/10 (2016.01); **A61K 9/00** (2006.01); **A61K 31/661** (2006.01)

CPC (source: EP KR US)
A23L 2/52 (2013.01 - US); **A23L 33/10** (2016.07 - KR US); **A23L 33/40** (2016.07 - US); **A61K 9/0019** (2013.01 - EP KR US); **A61K 9/0053** (2013.01 - KR); **A61K 9/0056** (2013.01 - US); **A61K 9/0095** (2013.01 - EP); **A61K 9/1605** (2013.01 - EP); **A61K 9/2018** (2013.01 - EP); **A61K 9/2059** (2013.01 - EP); **A61K 9/4858** (2013.01 - EP); **A61K 9/4866** (2013.01 - EP); **A61K 31/661** (2013.01 - EP KR); **A61K 31/685** (2013.01 - US); **A61K 47/02** (2013.01 - EP); **A61K 47/12** (2013.01 - EP); **A61K 47/26** (2013.01 - EP); **A61P 21/02** (2017.12 - US); **A23L 2/52** (2013.01 - EP); **A23L 33/105** (2016.07 - EP); **A23L 33/15** (2016.07 - EP); **A23L 33/155** (2016.07 - EP); **A23L 33/16** (2016.07 - EP); **A23L 33/175** (2016.07 - EP); **A23V 2002/00** (2013.01 - EP KR US); **A23V 2200/316** (2013.01 - KR)

Citation (search report)
• [XA] WO 2010115291 A1 20101014 - MOEDDEL MICHAEL [CH], et al
• See references of WO 2019117501A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2019117501 A1 20190620; EP 3723766 A1 20201021; EP 3723766 A4 20210901; JP 2021505678 A 20210218; JP 6987412 B2 20220105; KR 101864384 B1 20180604; US 11612611 B2 20230328; US 2021169906 A1 20210610

DOCDB simple family (application)
KR 2018014576 W 20181126; EP 18888195 A 20181126; JP 2020550568 A 20181126; KR 20170169325 A 20171211; US 201816771515 A 20181126